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APPLICATION NO	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/768,792	0/768.792 02/02/2004		Alok Mani Srivastava	137073	7124
6147	7590	08/14/2006		EXAMINER	
GENERA GLOBAL I	_	RIC COMPANY	RAABE, CHRISTOPHER M		
		M. BLDG. K1-4A59	•	ART UNIT	PAPER NUMBER
NISKAYU	NA, NY	12309	2879		

DATE MAILED: 08/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	Application No.	, ,					
Office Action Summany	10/768,792	SRIVASTAVA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Christopher M. Raabe	2879					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be time rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 4 May	v 2006						
	action is non-final.						
3) Since this application is in condition for allowan		secution as to the merits is					
closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims	, , , , , , , , , , , , , , , , , , , ,						
4)⊠ Claim(s) <u>1-43</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) 1-43 are subject to restriction and/or e	election requirement.						
Application Papers							
9) The specification is objected to by the Examiner	•						
10) The drawing(s) filed on is/are: a) acce		- - - - - -					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correcti		• •					
11) The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).							
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No							
							3. Copies of the certified copies of the prior
application from the International Bureau		-					
* See the attached detailed Office action for a list of	of the certified copies not receive	d.					
Attachment(s)							
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)					
2)	Paper No(s)/Mail Da 5) Notice of Informal P	ate atent Application (PTO-152)					
Paper No(s)/Mail Date	6) Other:	· · · · · · · · · · · · · · · · · · ·					

DETAILED ACTION

Election/Restrictions

1. Upon reconsideration, the examiner withdraws the previous restriction requirement and issues a fresh restriction requirement as follows.

- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 26-35, drawn to a method for making a phosphor, classified in class 423, subclass 21.1.
 - II. Claims 1-17, drawn to a phosphor, classified in class 252, subclass 301.4F.
 - III. Claims 18-25,41-43, drawn to a phosphor blend, classified in class 252, subclass 301.4H.
- IV. Claims 36-40, drawn to a light source, classified in class 313, subclass 486.

 The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the phosphor may be made by another and materially different process, namely one in which the heating is performed at a temperature below 700 C.

Inventions I and III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case,

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the phosphor may be made by another and materially different process, namely one in which the heating is performed at a temperature below 700 C.

Inventions I and IV are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case, the phosphor may be made by another and materially different process, namely one in which the heating is performed at a temperature below 700 C.

Inventions III and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the phosphor blend may utilize a phosphor having the formula (La_{1-x-y-z}Tb_xCe_yGd_z)(P_{1-q}B_q)O₄, where q=0 (i.e., without boron, in contrast to the phosphor of claim 1 which requires boron). The subcombination has separate utility such as a source of green light in a UV lamp.

Inventions IV and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the lamp may utilize a phosphor having the formula $(La_{1-x-y-z}Tb_xCe_yGd_z)(P_{1-q}B_q)O_4$, where q=0 (i.e., without boron, in contrast to the phosphor of claim 1 which requires

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boron). The subcombination has separate utility such as a substance for a stamp to provide authentication, verifiable under UV light.

Inventions III and IV are directed to related products. The related inventions are distinct if the inventions as claimed do not overlap in scope, i.e., are mutually exclusive; the inventions as claimed are not obvious variants; and the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect. See MPEP § 806.05(j). In the instant case, a phosphor blend containing a phosphor having a given formula is not an obvious variant of, and has a materially different design, mode of operation, function and effect from, a light source containing a phosphor having the same formula.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

3. Should the applicant elect group II, then election of species applies as follows:

This application contains claims directed to the following patentably distinct species:

Species I: The phosphor having a formula $(La_{1-x-y-z}Tb_xCe_yGd_z)(P_{1-q}B_q)O_4$, (to which claims 1-6 are limited).

Species II: The phosphor having a formula $(La_{1-x-y-z-u-v}Tb_xCe_yGd_zD_uE_v)(P_{1-q}B_q)O_4$ (to which claims 7-12 are limited)

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Species III: The phosphor having a formula $(La_{1-x-y-z-t}Tb_xCe_yGd_zJ_t)(P_{1-q}B_q)O_4$ (to which claims 13-17 are limited).

The species are independent or distinct because the species are separate compounds, none being an obvious variation of either of the others.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

4. Should the applicant elect group III, then election of species applies as follows:

This application contains claims directed to the following patentably distinct species:

Species I: The phosphor blend containing a phosphor having a formula ($La_{1-x-y-z} Tb_x Ce_y Gd_z$)($P_{1-q}B_q$)O₄, (to which claims 18-23,41 are limited).

Species II: The phosphor blend containing a phosphor having a formula ($La_{1-x-y-z-u-y}Tb_xCe_yGd_zD_uE_y$)($P_{1-q}B_q$)O₄ (to which claims 24,42 are limited)

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Species III: The blend containing a phosphor having a formula (La_{1-x-y-z-1} t Tb_xCe_yGd_zJ_t)(P_{1-a}B_a)O₄ (to which claims 25,43 are limited).

The species are independent or distinct because the species are separate compounds, none being an obvious variation of either of the others.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

5. Should the applicant elect group IV, then election of species applies as follows:

This application contains claims directed to the following patentably distinct species:

Species I: The light source containing a phosphor having a formula ($La_{1-x-y-z} Tb_x Ce_y Gd_z$)($P_{1-q} B_q$)O₄, (to which claims 36-39 are limited).

Species II: The phosphor having a formula $(La_{1-x-y-z-u-v}Tb_xCe_yGd_zD_uE_v)(P_{1-q}B_q)O_4$ (to which claim 40 is limited)

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The species are independent or distinct because the species are separate compounds, none being an obvious variation of either of the others.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

6. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case.

In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Raabe whose telephone number is 571-272-8434. The examiner can normally be reached on m-f 7am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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